

## Specification Amendments

Please rewrite the paragraph starting at page 4, line 5 as follows:

--Figure 1 illustrates a copier system configured ~~in accordance with an embodiment of the present invention~~ as presently known in the art;--

Please rewrite the paragraph starting at page 4, line 7 as follows:

--Figure 2 illustrates an embodiment of ~~the present invention~~ of a scanner as presently known in the art;--

Please rewrite the paragraph starting at page 4, line 8 as follows:

--Figure 3 illustrates an embodiment of ~~the present invention~~ of a reading unit in a scanner as presently known in the art;--

Please rewrite the paragraph starting at page 4, line 17 as follows:

--Figure 6B is a plot of gray values ~~[[versus]]~~ for each color channel for a solid color edge scanned in accordance with an embodiment of the present invention for the case of color misregistration.--

Please rewrite the paragraph starting at page 12, line 19 as follows:

--In an alternative embodiment, the misregistration error between a first color channel, e.g., red color channel, and a second color channel, e.g., green color channel, for either the black/white edge scanned (see Figure 5) or the solid color edge scanned (see Figure 6) may be ~~calculating~~ calculated by fitting a second order curve, or other fitting function such as a spline, to data points, e.g., three (3) data points, on the curve of gray values for the first and second color channels. Upon fitting the second order curve or other fitting function to the data points, a lateral shift required to align one or more of the data points used to form the second order curve in the first and second color channels may be determined. This lateral shift may represent the misregistration error. The misregistration error may further be calculated between the second color channel, e.g., green color channel, and a third color channel, e.g., blue color channel, using the above process. These misregistration errors may be stored in memory in

controller 205 in step 404. It is noted that the misregistration errors may be either positive or negative depending on the reference color plane. It is further noted that misregistration errors may exist in both horizontal and vertical directions. It is further noted that the estimate of the misregistration errors may be improved by taking the average error for rising and falling edges. The estimate of the misregistration errors may be improved since multiple measurements of the same misregistration error are provided.--